

# Service Drop Aluminum, XLPE or PE Insulated



A Viakable Company

## Ampacity Data

### Cable Construction 2PLX, 3PLX and 4PLX

Conductor Size AWG/kcmil	Ampacity	
	75 °C (167 °F)	90 °C (194 °F)
8	44	51
6	59	69
4	78	91
3	92	107
2	106	123
1	123	144
1/0	143	167
2/0	165	193
3/0	192	224
4/0	224	262
250	251	292
300	282	328
350	312	364
400	339	395
500	392	458
600	440	514
700	488	570
750	512	598
800	532	622
900	572	669
1000	612	716

NEC Table 310.15(B)(20) (formerly Table 310.20) Ampacities of Not More Than Three Single Insulated Conductors, Rated Up to and Including 2000 V, Supported on a Messenger, Based on Ambient Air Temperature of 40 °C (104 °F).

### Cable Construction 2PLX and 3PLX

Conductor Size AWG/kcmil	Ampacity	
	75 °C (167 °F)	90 °C (194 °F)
6	70	85
4	90	115
2	120	150
1/0	160	205
2/0	185	235
3/0	215	275
4/0	245	315
336.4	325	420

### Cable Construction 4PLX

Ampacity	
75 °C (167 °F)	90 °C (194 °F)
60	75
80	100
105	135
140	180
160	205
185	235
210	275
280	370

\* Conductor Temperature of 75 °C for PE, 90 °C for XLP; Ambient Temperature of 40 °C; Emissivity 0.9; 2 ft/s Wind in Sun.

# Covered Line Wire Aluminum, XLPE or PE Covering

## Ampacity Data



## Covered Line Wire

Conductor Size AWG/kcmil	Ampacity
8	80
6	101
4	127
2	171
1/0	231
2/0	268
3/0	312
4/0	364
266.8	423
336.4	492
397.5	548
477	617
556.5	682
636	744
795	860
1033.5	1017
1272	1201
1590	1381
2000	1527

NEC Table 310.15(B)(21) (formerly Table 310.21) Ampacities of Bare or Covered Conductors in Free Air, Based on 40 °C (104 °F) Ambient, 80 °C (176 °F) Total Conductor Temperature, 610 mm/s (2 ft/s) Wind Velocity.